:	Application No.	Applicant(s)
Notice of Allowability	10/089,363	KREINER ET AL.
	Examiner	Art Unit
	Eric F Winakur	3736
The MAILING DATE of this communication apperation allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to		
2. The allowed claim(s) is/are <u>1-18</u> .		
3. The drawings filed on are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply ENT of this application.	complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
 CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the 	on's Patent Drawing Review (PTO s Amendment / Comment or in the C .84(c)) should be written on the drawing to 37 CFR 1.121(Office action of ngs in the front (not the back) of d).
7. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL r FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the AL MATERIAL.
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 3/25/02 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. Interview Summary Paper No./Mail Da 7. Examiner's Amenda	te

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Faber on 30 April 2004.

The application has been amended as follows:

- 1. A device for measuring physical quantities in the eye, with a foldable implant on which, arranged outside an implant part covering the field of vision the eye, there is a telemetry device having a sensor and having a transmitter device with coil for wireless transmission of information corresponding to the sensor signals, and with a receiver device which is arranged outside the eye receives the information sent by the transmitter device, and with an evaluation device which converts the received information into reproducible data, characterized in that by further comprising an arrangement comprising, on an annular foldable support (2;16), the coil (1) is arranged in the form of a plurality of adjacent coil windings in at least one surface, and at least one electronic module (4) containing the electronics of the telemetry device is electrically contacted with the coil, and in that this the arrangement is embedded in the foldable biocompatible implant material.
- 2. The device as claimed in claim 1, characterized in that <u>the</u> coil windings (3) are formed from planar electrical conductor tracks.

3. The device as claimed in claim 1, characterized in that the coil windings (3) are arranged in one or more planes.

- 4. The device as claimed in claim 1, characterized in that the sensor (5) is covered completely or partially by a transmission medium transmitting the physical quantity.
- 5. The device as claimed in claim 4 <u>4</u>, characterized in that the biocompatible material with which the device is covered forms the transmission medium.
- 6. The device as claimed in claim 1, characterized in that the coil windings (3) in the area of their connection to the electronic module (4) extend in a substantially rectilinear manner.
- 7. The device as claimed in claim 1, characterized in that the coil windings (3) extend substantially in the entire implant part lying outside the field of vision of the eye.
- 8. The device as claimed in claim 1, characterized in that the sensor (5) is designed as a pressure sensor.
- 9. The device as claimed in claim 8, characterized in that the pressure sensor (5) continuously measures the intraocular pressure, and the electronics of the telemetry device have a memory in which the sensor signals are stored for a temporally limited transmission to a receiver device.
- 10. The device as claimed in claim 1, characterized in that the sensor (5) lies outside the field of vision of the eye in an area which does not overlap the surface of the coil windings (3).

11. The device as claimed in claim 1, characterized in that the sensor (5) lies inside the ring formed by the coil (1).

- 12. The device as claimed in claim 1, characterized in that the implant (6) is designed as an intraocular lens, and in that the annular support (2) in the area of the optic lens part (8) has a cutout which lies inside the coil windings (3).
- 13. The device as claimed in claim 1, characterized in that oblong holes (9) are formed in the implant material between the coil (1) and the implant part lying in the field of vision, in particular the optic lens part (8) of the intraocular lens.
- 15. The device as claimed in claim 1, characterized in that the <u>at least one</u> surface or <u>surfaces</u> in which the coil (1) is arranged extends or <u>extend</u> approximately perpendicular to the <u>an</u> optic axis (10) of the implant (6) designed as an intraocular lens.
- 16. The device as claimed in claim 1, characterized in that the coil (1) is arranged on one surface and the electronic module (4) on the other surface of the annular support (2; 16).
- 17. The device as claimed in claim 1, characterized by an annular implant body (16) made of at least partially flexible material which forms the support for the coil (1).
- 18. The device as claimed in claim 17, characterized in that the annular implant body (16) can be fixed in the sulcus of the eye.
- 2. The following is an examiner's statement of reasons for allowance: Applicant cites several references. Of particular relevance, DE 197 28 069 teaches a device for measuring intraocular pressure that includes sensor elements, a coil, and a transmitter

arranged on an intraocular lens outside of the field of vision of the lens. However, only a single coil is disclosed and while the document discloses that these elements can be encapsulated on the intraocular lens, there is no teaching or suggestion of arranging the coil and transmitter on a foldable support, with the entire arrangement being embedded in the biocompatible implant material. Applicant further cites Frenkel which discloses an alternate intraocular lens pressure monitoring device, which also does not teach or suggest the claimed structure of a coil and electronic module arranged on an annular foldable support, wherein the arrangement is embedded in a foldable biocompatible implant material.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric F Winakur whose telephone number is 703/308-3940. The examiner can normally be reached on M-Th, 7:30-5; alternate Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mary Beth Jones can be reached on 703/308-3400. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Éric F Winakur

Primary Examiner

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30 April 2004